

Yaroslav Tserkovnyak

List of Publications by Year in descending order

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193
papers

17,147
citations

26630

56
h-index

14208

128
g-index

194
all docs

194
docs citations

194
times ranked

10039
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive measurements of spin transport properties of an antiferromagnetic insulator. <i>Science Advances</i> , 2022, 8, eabg8562.	10.3	15
2	Generalized model of magnon kinetics and subgap magnetic noise. <i>Physical Review B</i> , 2022, 105, .	3.2	3
3	Quantum Imaging of Magnetic Phase Transitions and Spin Fluctuations in Intrinsic Magnetic Topological Nanoflakes. <i>Nano Letters</i> , 2022, 22, 5810-5817.	9.1	11
4	Antiferromagnetic switching driven by the collective dynamics of a coexisting spin glass. <i>Science Advances</i> , 2021, 7, .	10.3	27
5	Collective spin dynamics under dissipative spin Hall torque. <i>Applied Physics Letters</i> , 2021, 118, 032406.	3.3	1
6	Magnetic dynamics with Weyl fermions. <i>Physical Review B</i> , 2021, 103, .	3.2	5
7	Self-stabilizing exchange-mediated spin transport. <i>Physical Review B</i> , 2021, 103, .	3.2	9
8	Short-range thermal magnon diffusion in magnetic garnet. <i>Physical Review B</i> , 2021, 103, .	3.2	6
9	Dynamically stabilized spin superfluidity in frustrated magnets. <i>Physical Review B</i> , 2021, 103, .	3.2	4
10	Observation of nuclear-spin Seebeck effect. <i>Nature Communications</i> , 2021, 12, 4356.	12.8	20
11	Self-induced spin-orbit torques in metallic ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 538, 168262.	2.3	4
12	Biasing topological charge injection in topological matter. <i>Physical Review B</i> , 2021, 104, .	3.2	2
13	Observation of Magnon Polarons in a Uniaxial Antiferromagnetic Insulator. <i>Physical Review Letters</i> , 2020, 125, 217201.	7.8	35
14	Spin Seebeck effect near the antiferromagnetic spin-flop transition. <i>Physical Review B</i> , 2020, 102, .	3.2	28
15	Coupled spin-charge dynamics in magnetic van der Waals heterostructures. <i>Physical Review B</i> , 2020, 102, .	3.2	4
16	Edge-State Wave Functions from Momentum-Conserving Tunneling Spectroscopy. <i>Physical Review Letters</i> , 2020, 125, 087701.	7.8	3
17	Antiferromagnet-Based Neuromorphics Using Dynamics of Topological Charges. <i>Physical Review Letters</i> , 2020, 125, 207202.	7.8	7
18	Energy storage in magnetic textures driven by vorticity flow. <i>Physical Review B</i> , 2020, 102, .	3.2	8

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19	Driving a magnetized domain wall in an antiferromagnet by magnons. Journal of Applied Physics, 2020, 127, .	2.5	13
20	Enhanced antiferromagnetic resonance linewidth in NiO/Pt and NiO/Pd. Physical Review B, 2020, 101, .	3.2	18
21	Spin-torque oscillation in a magnetic insulator probed by a single-spin sensor. Physical Review B, 2020, 102, .	3.2	17
22	Creating zero-field skyrmions in exchange-biased multilayers through X-ray illumination. Nature Communications, 2020, 11, 949.	12.8	67
23	Tuning entanglement by squeezing magnons in anisotropic magnets. Physical Review B, 2020, 101, .	3.2	32
24	Quantum hydrodynamics of spin winding. Physical Review B, 2020, 102, .	3.2	7
25	Topological Transport of Deconfined Hedgehogs in Magnets. Physical Review Letters, 2020, 125, 267201.	7.8	16
26	Hydrodynamics of three-dimensional skyrmions in frustrated magnets. Physical Review B, 2019, 100, .	3.2	12
27	Interfacial spin Seebeck effect in noncollinear magnetic systems. Physical Review B, 2019, 99, .	3.2	18
28	Electrical manipulation of spin pumping signal through nonlocal thermal magnon transport. Applied Physics Letters, 2019, 115, .	3.3	1
29	Quantum skyrmionics. International Journal of Modern Physics B, 2019, 33, 1930005.	2.0	21
30	Stabilization of the skyrmion crystal phase and transport in thin-film antiferromagnets. Physical Review B, 2019, 100, .	3.2	9
31	Spin-transfer torques for domain wall motion in antiferromagnetically coupled ferrimagnets. Nature Electronics, 2019, 2, 389-393.	26.0	55
32	Vanishing skyrmion Hall effect at the angular momentum compensation temperature of a ferrimagnet. Nature Nanotechnology, 2019, 14, 232-236.	31.5	137
33	Quantum-kinetic theory of spin-transfer torque and magnon-assisted transport in nanoscale magnetic junctions. Physical Review B, 2019, 99, .	3.2	10
34	Topological Hall effect at above room temperature in heterostructures composed of a magnetic insulator and a heavy metal. Nature Electronics, 2019, 2, 182-186.	26.0	117
35	Topological transport of vorticity in Heisenberg magnets. Physical Review B, 2019, 99, .	3.2	14
36	Control of Spin-Wave Damping in YIG Using Spin Currents from Topological Insulators. Physical Review Applied, 2019, 11, .	3.8	30

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37	Low Magnetic Damping of Ferrimagnetic GdFeCo Alloys. Physical Review Letters, 2019, 122, 127203.	7.8	60
38	Tunable Magnonic Thermal Hall Effect in Skyrmion Crystal Phases of Ferrimagnets. Physical Review Letters, 2019, 122, 057204.	7.8	56
39	Nonsinusoidal angular dependence of FMR-driven spin current across an antiferromagnet in $Y_3Fe_5O_{12} < \mathbf{F} > e < \mathbf{O} > / \text{NiO}$	3.2	8
40	Quantum hydrodynamics of vorticity. Physical Review Research, 2019, 1, .	3.6	10
41	Antiferromagnetic spin textures and dynamics. Nature Physics, 2018, 14, 213-216.	16.7	219
42	Antiferromagnetic spintronics. Reviews of Modern Physics, 2018, 90, .	45.6	1,536
43	Evidence for the role of the magnon energy relaxation length in the spin Seebeck effect. Physical Review B, 2018, 97, .	3.2	54
44	Perspective: (Beyond) spin transport in insulators. Journal of Applied Physics, 2018, 124, 190901.	2.5	17
45	Proposal for dynamic imaging of antiferromagnetic domain wall via quantum-impurity relaxometry. Physical Review B, 2018, 98, .	3.2	16
46	Evolution of the quantum Hall bulk spectrum into chiral edge states. Nature Communications, 2018, 9, 3692.	12.8	16
47	Quantum-Impurity Relaxometry of Magnetization Dynamics. Physical Review Letters, 2018, 121, 187204.	7.8	45
48	Cooper-Pair Spin Current in a Strontium Ruthenate Heterostructure. Physical Review Letters, 2018, 121, 167001.	7.8	12
49	Nonlocal Spin Transport Mediated by a Vortex Liquid in Superconductors. Physical Review Letters, 2018, 121, 187203.	7.8	16
50	Energy Storage via Topological Spin Textures. Physical Review Letters, 2018, 121, 127701.	7.8	18
51	Role of dimensional crossover on spin-orbit torque efficiency in magnetic insulator thin films. Nature Communications, 2018, 9, 3612.	12.8	84
52	Antidamping-Torque-Induced Switching in Biaxial Antiferromagnetic Insulators. Physical Review Letters, 2018, 120, 207204.	7.8	246
53	Magnon-induced non-Markovian friction of a domain wall in a ferromagnet. Physical Review B, 2018, 97, .	3.2	9
54	Magnons versus electrons in thermal spin transport through metallic interfaces. Journal Physics D: Applied Physics, 2018, 51, 394002.	2.8	8

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55	Spin-Torque-Biased Magnetic Strip: Nonequilibrium Phase Diagram and Relation to Long Josephson Junctions. <i>Physical Review Letters</i> , 2018, 121, 037202.	7.8	17
56	Spin hydrodynamics in amorphous magnets. <i>Physical Review B</i> , 2018, 98, .	3.2	25
57	Emergent Gauge Fields from Curvature in Single Layers of Transition-Metal Dichalcogenides. <i>Physical Review Letters</i> , 2017, 118, 026801.	7.8	25
58	Chiral charge pumping in graphene deposited on a magnetic insulator. <i>Physical Review B</i> , 2017, 95, .	3.2	22
59	Magnetic Domain Wall Floating on a Spin Superfluid. <i>Physical Review Letters</i> , 2017, 118, 097201.	7.8	8
60	Coherent terahertz spin-wave emission associated with ferrimagnetic domain wall dynamics. <i>Physical Review B</i> , 2017, 96, .	3.2	50
61	Fast domain wall motion in the vicinity of the angular momentum compensation temperature of \hat{A} -ferrimagnets. <i>Nature Materials</i> , 2017, 16, 1187-1192.	27.5	321
62	Theory of the magnon-mediated tunnel magneto-Seebeck effect. <i>Physical Review B</i> , 2017, 96, .	3.2	6
63	Generalized boundary conditions for spin transfer. <i>Physical Review B</i> , 2017, 96, .	3.2	22
64	Self-focusing skyrmion racetracks in ferrimagnets. <i>Physical Review B</i> , 2017, 95, .	3.2	79
65	Magnetic Domain Walls as Hosts of Spin Superfluids and Generators of Skyrmions. <i>Physical Review Letters</i> , 2017, 119, 047202.	7.8	23
66	Fast vortex oscillations in a ferrimagnetic disk near the angular momentum compensation point. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	15
67	Spin caloritronic nano-oscillator. <i>Nature Communications</i> , 2017, 8, 117.	12.8	96
68	Gyrotropic elastic response of skyrmion crystals to current-induced tensions. <i>Physical Review B</i> , 2017, 96, .	3.2	7
69	Spin superfluid Josephson quantum devices. <i>Physical Review B</i> , 2017, 95, .	3.2	9
70	Chiral Edge Mode in the Coupled Dynamics of Magnetic Solitons in a Honeycomb Lattice. <i>Physical Review Letters</i> , 2017, 119, 077204.	7.8	29
71	Control and local measurement of the spin chemical potential in a magnetic insulator. <i>Science</i> , 2017, 357, 195-198.	12.6	192
72	Exploiting Coherence in Nonlinear Spin-Superfluid Transport. <i>Physical Review Letters</i> , 2017, 119, 187705.	7.8	15

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73	Antiferromagnetic textures and dynamics on the surface of a heavy metal. <i>Physical Review B</i> , 2017, 95, .	3.2	25
74	Interface-induced phenomena in magnetism. <i>Reviews of Modern Physics</i> , 2017, 89, .	45.6	672
75	Mechanical Actuation of Magnetic Domain-Wall Motion. <i>Physical Review Letters</i> , 2016, 117, 237201.	7.8	10
76	Mobile Néel skyrmions at room temperature: status and future. <i>AIP Advances</i> , 2016, 6, .	1.3	38
77	Local thermomagnonic torques in two-fluid spin dynamics. <i>Physical Review B</i> , 2016, 94, .	3.2	15
78	Landau-Lifshitz theory of the magnon-drag thermopower. <i>Europhysics Letters</i> , 2016, 115, 57004.	2.0	20
79	Realization of the Haldane-Kane-Mele Model in a System of Localized Spins. <i>Physical Review Letters</i> , 2016, 117, 227201.	7.8	162
80	Topological spin-transfer drag driven by skyrmion diffusion. <i>Physical Review B</i> , 2016, 94, .	3.2	16
81	Thermally activated phase slips in superfluid spin transport in magnetic wires. <i>Physical Review B</i> , 2016, 93, .	3.2	30
82	Bose-Einstein condensation of magnons pumped by the bulk spin Seebeck effect. <i>Physical Review B</i> , 2016, 93, .	3.2	22
83	Two-Fluid Theory for Spin Superfluidity in Magnetic Insulators. <i>Physical Review Letters</i> , 2016, 116, 117201.	7.8	69
84	Topological Effects on Quantum Phase Slips in Superfluid Spin Transport. <i>Physical Review Letters</i> , 2016, 116, 127201.	7.8	18
85	Spin Superfluidity in the $\frac{1}{2}$ Quantum Hall State of Graphene. <i>Physical Review Letters</i> , 2016, 116, 216801.	7.8	38
86	Spin-current probe for phase transition in an insulator. <i>Nature Communications</i> , 2016, 7, 12670.	12.8	148
87	Magnon-drag thermopower and Nernst coefficient in Fe, Co, and Ni. <i>Physical Review B</i> , 2016, 94, .	3.2	107
88	Room-Temperature Creation and Spin-Orbit Torque Manipulation of Skyrmions in Thin Films with Engineered Asymmetry. <i>Nano Letters</i> , 2016, 16, 1981-1988.	9.1	275
89	Electric-field control of spin-orbit torque in a magnetically doped topological insulator. <i>Nature Nanotechnology</i> , 2016, 11, 352-359.	31.5	212
90	Control and braiding of Majorana fermions bound to magnetic domain walls. <i>Physical Review B</i> , 2015, 92, .	3.2	18

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91	Topological spin transport by Brownian diffusion of domain walls. <i>Physical Review B</i> , 2015, 92, .	3.2	22
92	Nonlocal Magnetoresistance Mediated by Spin Superfluidity. <i>Physical Review Letters</i> , 2015, 115, 156604.	7.8	28
93	Integer and fractional quantum anomalous Hall effect in a strip of stripes model. <i>Physical Review B</i> , 2015, 91, .	3.2	42
94	Antiferromagnet-mediated spin transfer between a metal and a ferromagnet. <i>Physical Review B</i> , 2015, 92, .	3.2	49
95	Landau-Lifshitz theory of thermomagnonic torque. <i>Physical Review B</i> , 2015, 92, .	3.2	35
96	Interfacial spin and heat transfer between metals and magnetic insulators. <i>Physical Review B</i> , 2015, 91, .	3.2	64
97	Blowing magnetic skyrmion bubbles. <i>Science</i> , 2015, 349, 283-286.	12.6	1,177
98	Anti-damping spin transfer torque through epitaxial nickel oxide. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	116
99	Spin and orbital magnetic response on the surface of a topological insulator. <i>Physical Review B</i> , 2015, 91, .	3.2	38
100	Magnetic exchange and nonequilibrium spin current through interacting quantum dots. <i>Physical Review B</i> , 2015, 91, .	3.2	6
101	Thermophoresis of an antiferromagnetic soliton. <i>Physical Review B</i> , 2015, 92, .	3.2	40
102	Magnonic charge pumping via spin-orbit coupling. <i>Nature Nanotechnology</i> , 2015, 10, 50-54.	31.5	64
103	Electron-hole entanglement in a quantum spin Hall insulator. <i>Physical Review B</i> , 2014, 89, .	3.2	4
104	Detection of entanglement by helical Luttinger liquids. <i>Physical Review B</i> , 2014, 90, .	3.2	6
105	Spin diffusion and magnetoresistance in ferromagnet/topological-insulator junctions. <i>Physical Review B</i> , 2014, 89, .	3.2	23
106	Switching of perpendicular magnetization by spin-orbit torques in the absence of external magnetic fields. <i>Nature Nanotechnology</i> , 2014, 9, 548-554.	31.5	753
107	Dynamic phase diagram of dc-pumped magnon condensates. <i>Physical Review B</i> , 2014, 90, .	3.2	51
108	Quantum spin Hall effect in strip of stripes model. <i>Physical Review B</i> , 2014, 90, .	3.2	63

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109	Propulsion of a domain wall in an antiferromagnet by magnons. <i>Physical Review B</i> , 2014, 90, .	3.2	115
110	Spin Hall phenomenology of magnetic dynamics. <i>Physical Review B</i> , 2014, 90, .	3.2	50
111	Superfluid spin transport through antiferromagnetic insulators. <i>Physical Review B</i> , 2014, 90, .	3.2	155
112	Superfluid Spin Transport Through Easy-Plane Ferromagnetic Insulators. <i>Physical Review Letters</i> , 2014, 112, 227201.	7.8	138
113	Magnetization switching through giant spin-orbit torque in a magnetically doped topological insulator heterostructure. <i>Nature Materials</i> , 2014, 13, 699-704.	27.5	773
114	An insulator-based transistor. <i>Nature Nanotechnology</i> , 2013, 8, 706-707.	31.5	10
115	Magnetic texture-induced thermal Hall effects. <i>Physical Review B</i> , 2013, 87, .	3.2	86
116	Direct Imaging of Thermally Driven Domain Wall Motion in Magnetic Insulators. <i>Physical Review Letters</i> , 2013, 110, 177202.	7.8	124
117	Theory of electromechanical coupling in dynamical graphene. <i>Physical Review B</i> , 2013, 88, .	3.2	9
118	Electric field induced domain-wall dynamics: Depinning and chirality switching. <i>Physical Review B</i> , 2013, 88, .	3.2	6
119	Electronic Pumping of Quasiequilibrium Bose-Einstein-Condensed Magnons. <i>Physical Review Letters</i> , 2012, 108, 246601.	7.8	111
120	Spin-torque ac impedance in magnetic tunnel junctions. <i>Physical Review B</i> , 2012, 86, .	3.2	5
121	Ultrafast spin torque memory based on magnetic tunnel junctions with combined in-plane and perpendicular polarizers. , 2012, , .		1
122	Thermomagnonic spin transfer and Peltier effects in insulating magnets. <i>Europhysics Letters</i> , 2012, 97, 67002.	2.0	94
123	Resonantly Tunable Majorana Polariton in a Microwave Cavity. <i>Physical Review Letters</i> , 2012, 109, 257002.	7.8	63
124	Nonlinear dynamics in a magnetic Josephson junction. <i>Physical Review B</i> , 2012, 86, .	3.2	9
125	Thermal spin power without magnets. <i>Nature</i> , 2012, 487, 180-181.	27.8	5
126	Magnetic bit stability: Competition between domain-wall and monodomain switching. <i>Applied Physics Letters</i> , 2012, 100, 212406.	3.3	5

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127	Thin-Film Magnetization Dynamics on the Surface of a Topological Insulator. <i>Physical Review Letters</i> , 2012, 108, 187201.	7.8	112
128	Crossed Andreev reflection in quantum wires with strong spin-orbit interaction. <i>Physical Review B</i> , 2012, 85, .	3.2	15
129	Spin-transfer mechanism for magnon-drag thermopower. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	35
130	Macrospin Tunneling and Magnetopolaritons with Nanomechanical Interference. <i>Physical Review Letters</i> , 2011, 106, 147203.	7.8	41
131	Phenomenology of Current-Induced Dynamics in Antiferromagnets. <i>Physical Review Letters</i> , 2011, 106, 107206.	7.8	184
132	Deep subnanosecond spin torque switching in magnetic tunnel junctions with combined in-plane and perpendicular polarizers. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	82
133	Thermal stability characterization of magnetic tunnel junctions using hard-axis magnetoresistance measurements. <i>Journal of Applied Physics</i> , 2011, 109, 07C708.	2.5	7
134	Universal quantum computation with ordered spin-chain networks. <i>Physical Review A</i> , 2011, 84, .	2.5	19
135	Magnetocaloritronic nanomachines. <i>Solid State Communications</i> , 2010, 150, 500-504.	1.9	23
136	Cooper-Pair Injection into Quantum Spin Hall Insulators. <i>Physical Review Letters</i> , 2010, 105, 226401.	7.8	45
137	Microwave response of a magnetic single-electron transistor. <i>Physical Review B</i> , 2010, 82, .	3.2	5
138	Nanoscale magnetic heat pumps and engines. <i>Physical Review B</i> , 2010, 81, .	3.2	64
139	Dissipative dynamics of magnetic solitons in metals. <i>Physical Review B</i> , 2010, 81, .	3.2	15
140	Unified First-Principles Study of Gilbert Damping, Spin-Flip Diffusion, and Resistivity in Transition Metal Alloys. <i>Physical Review Letters</i> , 2010, 105, 236601.	7.8	111
141	Scattering theory of charge-current-induced magnetization dynamics. <i>Europhysics Letters</i> , 2010, 90, 47002.	2.0	59
142	Tuning odd triplet superconductivity by spin pumping. <i>Physical Review B</i> , 2009, 80, .	3.2	31
143	Transport theory for disordered multiple-band systems: Anomalous Hall effect and anisotropic magnetoresistance. <i>Physical Review B</i> , 2009, 79, .	3.2	55
144	Barnett effect in thin magnetic films and nanostructures. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	18

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145	Aharonov-Casher Effect in Exchange Interactions in a Wigner Crystal. <i>Physical Review Letters</i> , 2009, 102, 126801.	7.8	4
146	Spin-Polarized Transport and Dynamics in Magnetic Tunneling Structures. <i>IEEE Transactions on Magnetism</i> , 2009, 45, 3434-3440.	2.1	3
147	Thermoelectric spin transfer in textured magnets. <i>Physical Review B</i> , 2009, 80, .	3.2	41
148	Theory of spin magnetohydrodynamics. <i>Physical Review B</i> , 2009, 79, .	3.2	36
149	Hydrodynamic theory of coupled current and magnetization dynamics in spin-textured ferromagnets. <i>Physical Review B</i> , 2009, 80, .	3.2	35
150	Transverse spin diffusion in ferromagnets. <i>Physical Review B</i> , 2009, 79, .	3.2	54
151	Theory of current-driven magnetization dynamics in inhomogeneous ferromagnets. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 1282-1292.	2.3	128
152	Tunnel-barrier-enhanced dc voltage signals induced by magnetization dynamics in magnetic tunnel junctions. <i>Physical Review B</i> , 2008, 78, .	3.2	29
153	Proximity-effect-assisted decay of spin currents in superconductors. <i>Europhysics Letters</i> , 2008, 84, 57008.	2.0	29
154	Inhomogeneous Gilbert damping from impurities and electron-electron interactions. <i>Physical Review B</i> , 2008, 78, .	3.2	46
155	Electron transport driven by nonequilibrium magnetic textures. <i>Physical Review B</i> , 2008, 77, .	3.2	133
156	Current-induced noise and damping in nonuniform ferromagnets. <i>Physical Review B</i> , 2008, 78, .	3.2	41
157	Spin injection in quantum wells with spatially dependent rashba interaction. <i>New Journal of Physics</i> , 2007, 9, 345-345.	2.9	12
158	Magnetization damping in a local-density approximation. <i>Physical Review B</i> , 2007, 75, .	3.2	34
159	Spin transport in mesoscopic rings with inhomogeneous spin-orbit coupling. <i>Physical Review B</i> , 2007, 76, .	3.2	20
160	Gilbert damping and spin Coulomb drag in a magnetized electron liquid with spin-orbit interaction. <i>Physical Review B</i> , 2007, 75, .	3.2	21
161	Resistance noise in spin valves. <i>Physical Review B</i> , 2007, 75, .	3.2	15
162	Shot Noise in Magnetic Tunnel Junctions: Evidence for Sequential Tunneling. <i>Physical Review Letters</i> , 2006, 97, 266602.	7.8	51

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163	Tunneling spectroscopy of quantum wires: Spin-charge separation and localization. Physica Status Solidi (B): Basic Research, 2006, 243, 3593-3603.	1.5	2
164	Current-induced macrospin versus spin-wave excitations in spin valves. Physical Review B, 2006, 73, .	3.2	23
165	Localization transition in a ballistic quantum wire. Physical Review B, 2006, 73, .	3.2	70
166	Voltage Generation by Ferromagnetic Resonance at a Nonmagnet to Ferromagnet Contact. Physical Review Letters, 2006, 97, 216602.	7.8	62
167	Current-induced magnetization dynamics in disordered itinerant ferromagnets. Physical Review B, 2006, 74, .	3.2	133
168	Conditions for extreme sensitivity of protein diffusion in membranes to cell environments. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15002-15007.	7.1	31
169	Spontaneous-symmetry-breaking mechanism of adiabatic pumping. Physical Review B, 2005, 71, .	3.2	12
170	Theory of momentum resolved tunneling into a short quantum wire. Physical Review B, 2005, 72, .	3.2	43
171	Spin accumulation and decay in magnetic Schottky barriers. Physical Review B, 2005, 72, .	3.2	17
172	First-principles study of magnetization relaxation enhancement and spin transfer in thin magnetic films. Physical Review B, 2005, 71, .	3.2	197
173	Spin-Charge Separation and Localization in One Dimension. Science, 2005, 308, 88-92.	12.6	343
174	Nonlocal magnetization dynamics in ferromagnetic heterostructures. Reviews of Modern Physics, 2005, 77, 1375-1421.	45.6	1,176
175	Dynamic Ferromagnetic Proximity Effect in Photoexcited Semiconductors. Physical Review Letters, 2004, 92, 126601.	7.8	26
176	Mean-field magnetization relaxation in conducting ferromagnets. Applied Physics Letters, 2004, 84, 5234-5236.	3.3	71
177	Nonlinear tube waves in permeable formations: Difference frequency generation. Journal of the Acoustical Society of America, 2004, 116, 209-216.	1.1	2
178	Spin detection in quantum dots by electric currents. Physical Review B, 2004, 69, .	3.2	8
179	Many-body dispersions in interacting ballistic quantum wires. Solid State Communications, 2004, 131, 657-663.	1.9	7
180	A three-dimensional calculation of atmospheric neutrino fluxes. Astroparticle Physics, 2003, 18, 449-461.	4.3	8

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181	Dynamic stiffness of spin valves. Physical Review B, 2003, 67, .	3.2	87
182	Monte Carlo Evaluation of Non-Abelian Statistics. Physical Review Letters, 2003, 90, 016802.	7.8	60
183	Capillary forces in the acoustics of patchy-saturated porous media. Journal of the Acoustical Society of America, 2003, 114, 2596.	1.1	45
184	Universal angular magnetoresistance and spin torque in ferromagnetic/normal metal hybrids. Physical Review B, 2003, 67, .	3.2	84
185	Spin-torque transistor. Applied Physics Letters, 2003, 82, 3928-3930.	3.3	47
186	Dynamic Exchange Coupling in Magnetic Bilayers. Physical Review Letters, 2003, 90, 187601.	7.8	354
187	Magneto-electronic Spin Echo. Physical Review Letters, 2003, 91, 166601.	7.8	16
188	Dynamic exchange coupling and Gilbert damping in magnetic multilayers (invited). Journal of Applied Physics, 2003, 93, 7534-7538.	2.5	23
189	Finite-Size Effects in Tunneling between Parallel Quantum Wires. Physical Review Letters, 2002, 89, 136805.	7.8	54
190	Spin battery operated by ferromagnetic resonance. Physical Review B, 2002, 66, .	3.2	384
191	Enhanced Gilbert Damping in Thin Ferromagnetic Films. Physical Review Letters, 2002, 88, 117601.	7.8	1,595
192	Can one hear the shape of a saturation patch?. Geophysical Research Letters, 2002, 29, 12-1.	4.0	86
193	Spin-magnon transmutation. Physics Magazine, 0, 4, .	0.1	15